

## June 10th OR19 Workshop on Repository/CRIS Interoperability/Integration

### Morning Session: Technical Challenges

### Introduction

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# Repository/CRIS interoperability: background



## Repositories and CRIS: working smartly together. Conference and Software Exhibition

Programme | Contact

19th July 2011

*Nottingham University Park Campus*

Building on the successful event 'Learning how to play nicely: Repositories and CRIS' which was organised by the Welsh Repository Network in 2010, this event will look at the interaction of Repositories and CRIS (Current Research Information Systems). This event will also disseminate the findings of the RePOSIT project.

RSP has also invited leading suppliers of Repository and CRIS software who will be taking part in an exhibition which will be held throughout the day in the refreshments area.

- Designed as a mechanism to get repositories populated
- Original workflow CRIS metadata records → repositories

<http://www.rsp.ac.uk/events/repositories-and-cris-systems-working-smartly-together/>



*Slide by Mark Cox (KCL &  
euroCRIS Board, July 2011)*

## CRISes and OARs

- CRISes and OARs developed substantially separately
- OARs primarily developed as **discovery** tools
  - Public facing
  - Generally populated via individual deposit
  - Development usually led by library staff
- CRISes mainly used as (data) **management** tools
  - Used within institutions, with little or no public interface
  - Often built to integrate with other systems to allow import of data
  - Most implementations led by institution's research offices
- Considerable overlap in the data that is collected by each

[http://www.rsp.ac.uk/documents/get-uploaded-file/?file=rspnottingham190711\\_embed.ppt](http://www.rsp.ac.uk/documents/get-uploaded-file/?file=rspnottingham190711_embed.ppt)



*Slide by Mark Cox (KCL &  
euroCRIS Board, July 2011)*

# Integration of CRISes and OARs

- Increasing realisation in institutions that there is benefit from streamlining OAR and CRIS development
- Several potential ways of doing this
- Can use a CRIS for gathering all research related information, including research output, and feed/link to repository
- Can expand repository to be able to cover a wider range of research related information
- Can use portal functionality of sophisticated CRIS systems to mimic repository functionality

# “Several potential ways of doing this”: IR-as-a-CRIS

<https://eprints.soton.ac.uk/271048/>

University of Southampton Institutional Repository

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## EPrints: a hybrid CRIS/repository

Carr, Leslie (2010) EPrints: a hybrid CRIS/repository. *Workshop on CRIS, CERIF and Institutional Repositories, Italy. 10 - 11 May 2010. 2 pp.*

Record type: **Conference or Workshop Item (Other)**

### Abstract

It is a truth universally acknowledged that a repository collects and manages research papers, data, reports, patents and software (curating many kinds of research outputs for immediate access and long-term preservation) but that it is just one of the systems that a CRIS has to interact with. Specialised research databases are used not only for research outputs, but for human resources, project management, finance, grant funding and research expertise. Repositories can therefore benefit from the extended data schema of CRIS systems, while CRIS systems can benefit from the user engagement model of repositories.



PDF  
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Other  
**hybridCRISIR.docx - Version of Record**  
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Image (PNG)  
**word/media/image2.png - Other**  
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## Design of linear and star-shaped macromolecular organic semiconductors for photonic applications

Kanibolotsky, A. L., Laurand, N., Dawson, M. D., Turnbull, G. A., Samuel, I. D.W. and Skabara, P. J. (2019) Design of linear and star-shaped macromolecular organic semiconductors for photonic applications. *Accounts of Chemical Research*, (Accepted for Publication)



Text

186403.pdf - Accepted Version

Restricted to Repository staff only

1MB

### Abstract

No abstract available.

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Publisher:	American Chemical Society
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### Funder and Project Information

Project Code	Award No	Project Name	Principal Investigator	Funder's Name	Funder Ref	Lead Dept
301327	o	Hetero-print: A holistic approach to transfer-printing for heterogeneous integration in manufacturing	Peter Skabara	Engineering and Physical Sciences Research Council (EPSRC)	EP/R03480X/1	ENG - Electronics & Nanoscale Engineering
303776	o	Light-controlled manufacturing of semiconductor structures: a platform for next generation processing of photonic devices	Peter Skabara	Engineering and Physical Sciences Research Council (EPSRC)	EP/P02744X/2	Chemistry
303955	o	Single-molecule studies of light-emitting polymers: observing and manipulating	Peter Skabara	Engineering and Physical Sciences Research Council (EPSRC)	EP/N009908/2	Chemistry

- **Eprints-based IR-as-a-CRIS model** operating at eg the University of Glasgow Enlighten repository, <http://eprints.gla.ac.uk/>
- Collection of additional info on funding sources requires connection to (*interoperability with*) project database

<http://eprints.gla.ac.uk/186403/>

# An early attempt at describing the CRIS/IR landscape (2014)

## The Gradual Merging of Repository and CRIS Solutions to Meet Institutional Research Information Management Requirements ☆

Pablo de Castro <sup>a</sup> , Kathleen Shearer <sup>b</sup> , Friedrich Summann <sup>c</sup> 


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<sup>b</sup> Confederation of Open Access Repositories (COAR), 37073 Göttingen, Germany

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Available online 1 July 2014.



 [Show less](#)

<https://doi.org/10.1016/j.procs.2014.06.007>




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### Abstract

Much has been said in recent times about the alleged dichotomy between Institutional Repositories (IRs) and Current Research Information Systems (CRISs).

Title:	The gradual merging of repository and CRIS solutions to meet institutional research information management requirements
Authors:	De Castro, Pablo  Shearer, Kathleen  Summann, Friedrich 
Source:	"Managing Data-Intensive Science: the Role of Research Information Systems in Realising the Digital Agenda". Proceedings of the 12th International Conference on Current Research Information Systems (2014) Procedia Computer Science 33: 39-46 (2014)

### *Interoperability*

- CRIS and IR

### *Integration*

- CRIS-as-IR
- IR-as-CRIS



# Elusive landscape to pin down due to swiftly evolving character, esp w/ widespread arrival of commercial CRISs to the UK in the wake of REF2014

## CERIF CRIS use in UK HE

- Lots of CERIF CRIS procurement in last year - some are in early stages of implementation
- Pure (Atira) - 17
  - St Andrews, Aberdeen, York, Royal Holloway, Strathclyde, Hertfordshire, Lancaster, Aston, Institute of Education, London, Dundee, Heriot-Watt, Glasgow Caledonian, King's College London, Edinburgh, University of the Highlands and Islands, Bath, Queen's University Belfast
- CONVERIS (AVEDAS) - 5
  - Cranfield, Hull, Stirling, MRC Oxfordshire Regional Centre, Brighton
- Symplectic Elements (Symplectic)
  - eg Brunel, Imperial, Queen Mary, Leeds...

Research assessment exercises identified in the OCLC/euroCRIS survey as *one of the main drivers for CRIS implementation* worldwide



[www.ukoln.ac.uk](http://www.ukoln.ac.uk)

A centre of expertise in digital information management



EuroCRIS / EuroCRIS Research Output / Conference

Please use this identifier to cite or link to this item: <http://hdl.handle.net/11366/75>

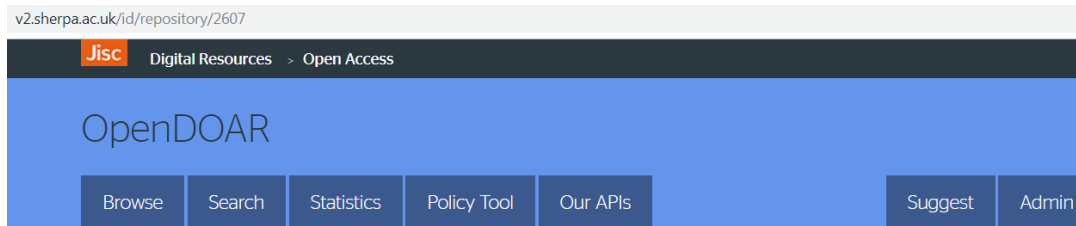
Title: CERIF CRIS UK landscape study: work in progress report

Authors: [Russell, Rosemary](#) 

Description: 13 slides -- Update to original report "Adoption of CERIF in Higher Education Institutions in the UK: A Landscape Study" published by R. Russell and UKOLN on Mar2012. <http://www.ukoln.ac.uk/isc/reports/cerif-landscape-study-2012/CERIF-UK-landscape-report-v1.1.pdf>



# Commercial CRISs start trying to operate as repositories – which they were not originally designed to do



## QUB Research Portal

### Repository Information

Repository Name	Queen's University Research Portal (QUB Research Portal) (English)
Repository Type	Institutional
Description	This is the Institutional Repository of Queen's University Belfast which provides access to the research output of the institution. The interface is available in English.
Repository URL	<a href="http://pure.qub.ac.uk/portal/">http://pure.qub.ac.uk/portal/</a>
OAI-PMH URL	<a href="http://pure.qub.ac.uk/ws/oai">http://pure.qub.ac.uk/ws/oai</a>
Software Name	PURE
Languages	English
Content Types	Journal Articles Bibliographic References Conference and Workshop Papers Unpublished Reports and Working Papers Books, Chapters and Sections

Sense of technologies, workflows and institutional units at odds with each other (while warnings were issued on the 'false dichotomy' between IRs and CRISs, <http://www.ukcorr.org/2012/09/26/three-perennial-questions/>)

***IT'S IMPORTANT TO KEEP COLLECTING UP-TO-DATE SNAPSHOTS OF THIS SWIFTLY EVOLVING LANDSCAPE***

Morning session (9:00-12:30): Technical challenges in the way of repository/CRIS interoperability	
9:00 9:15	<b>Introduction: The evolution of repository/CRIS interoperability/integration</b> (Pablo de Castro, University of Strathclyde and euroCRIS)
9:15 9:35	<b>Repository and CRIS interoperability issues within a 'connector lite' environment</b> (George Macgregor, Strathprints Repository Manager, University of Strathclyde) <i>This will be a remote presentation over skype</i>
9:35 9:55	<b>Regional Research Portal UnityFVG: DSpace-CRIS interoperability with CERIF standard</b> (Jordan Piščanc, University of Trieste)
9:55 10:15	<b>Time to REST: The University of Stirling's REST API based integration between Worktribe and DSpace</b> (Michael White, University of Stirling)
10:15 10:35	<b>Supporting a repository platform-agnostic ecosystem: An introduction to the bi-directional API-based repository integration framework used by Symplectic Elements clients across the world</b> (John Fearn, Symplectic)
10:35- 11:00	<i>Coffee break</i>
11:00 11:20	<b>Enhancing interoperability: the implementation of OpenAIRE Guidelines and COAR NGR Recommendations in CRIS/RIMS</b> (Susanna Mornati, 4Science)
11:20 11:40	<b>A staged path to fully integrated CRIS &amp; Repository</b> (Ben Summers, Haplo)
11:45 12:30	<b>Panel discussion with all presenters</b> (Chair: Pablo de Castro)